	Application No.	Applicant(s)
Notice of Allowability	10/605,493	HALL ET AL.
	Examiner	Art Unit
	Tho D. Ta	2833
The MAILING DATE of this communication appeals All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio GHTS. This application is subject to and MPEP 1308.	pplication. If not included n will be mailed in due course. THIS
1. This communication is responsive to interview summary da	<u>ated 01/19/05</u> .	
2. The allowed claim(s) is/are 5-14 and 16-27.	•	
3. The drawings filed on <u>02 October 2003</u> are accepted by the Examiner.		
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have international Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submulated in INFORMAL PATENT APPLICATION (PTO-152) which give comply including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date (b) Including changes required by the attached Examiner's Paper No./Mail Date (b) DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	been received. been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declar of the submitted. son's Patent Drawing Review (PTC) s Amendment / Comment or in the of 84(c)) should be written on the draw the header according to 37 CFR 1.121 sit of BIOLOGICAL MATERIAL	national stage application from the complying with the requirements R'S AMENDMENT or NOTICE OF ation is deficient. 0-948) attached Office action of ings in the front (not the back) of (d). must be submitted. Note the
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 11/03/04 and 6/1/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Da 8), 7. Examiner's Amend	ate

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffery E. Daly on 01/19/05.

- 2. The application has been amended as follows:
 - 21. (Currently Amended) A method for transmitting information across tool joints in a drill string while minimizing signal reflections occurring at the tool joints, the method comprising:

providing a first electrical contact comprising:

a first annular resilient material; and

a first annular conductor embedded within the first annular resilient material, the first annular conductor having a surface exposed from the first annular resilient material;

providing a first annular housing forming an open channel

accommodating the first annular resilient material and the first annular

conductor and disposed within a recess at an end of the tool joint;

Art Unit: 2833

the first housing having an angled surface interacting with a corresponding angled surface in the recess to exert a force urging the first contact outward from the recess;

providing a second electrical contact substantially equal to the first electrical contact, the second electrical contact having a second annular resilient material and a second annular conductor;

adjusting at least one of the dielectric characteristics and the dimensions of the first and second resilient materials to provide a desired impedance to the first and second electrical contacts.

- 22. (Currently Amended) The method of claim 21, further comprising providing first and second annular housings a second annular housing to the first and second electrical contact contacts, respectively, to accommodate the first and second annular resilient material materials, and the first and second annular conductor conductors, respectively.
- The following is an examiner's statement of reasons for allowance: the prior art 3. fails to provide, teach or suggest a first annular housing forming an open channel accommodating the first annular resilient material and the first annular conductor and disposed within a recess at an end of the tool joint; the first housing having an angled surface interacting with a corresponding angled surface in the recess to exert a force urging the first contact outward from the recess.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

The new oath/declaration received on 2/23/04 has been entered.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho D. Ta whose telephone number is (571) 272-2014. The examiner can normally be reached on M-F (8:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

Art Unit: 2833

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

THO D. TA
PRIMARY EXAMINER